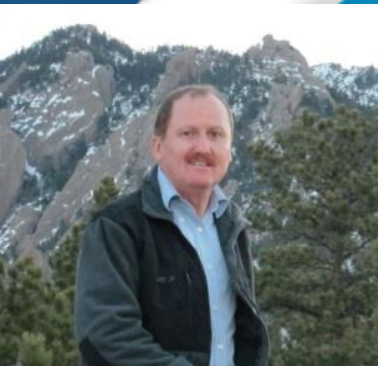




Pacific Region Satellite Ground Stations

Satellite Reception & Applications within Pacific Region
Current state and Future Plans

Bill Ward
ESSD Chief
Pacific Region HQ
National Weather Service



Bill Ward is currently the Environmental Scientific and Services Division (ESSD) Chief at the National Weather Service, Pacific Region Headquarters in Honolulu, Hawaii. Bill is responsible for overseeing all of the scientific and services programs across the Pacific Region to include tropical and seismic.

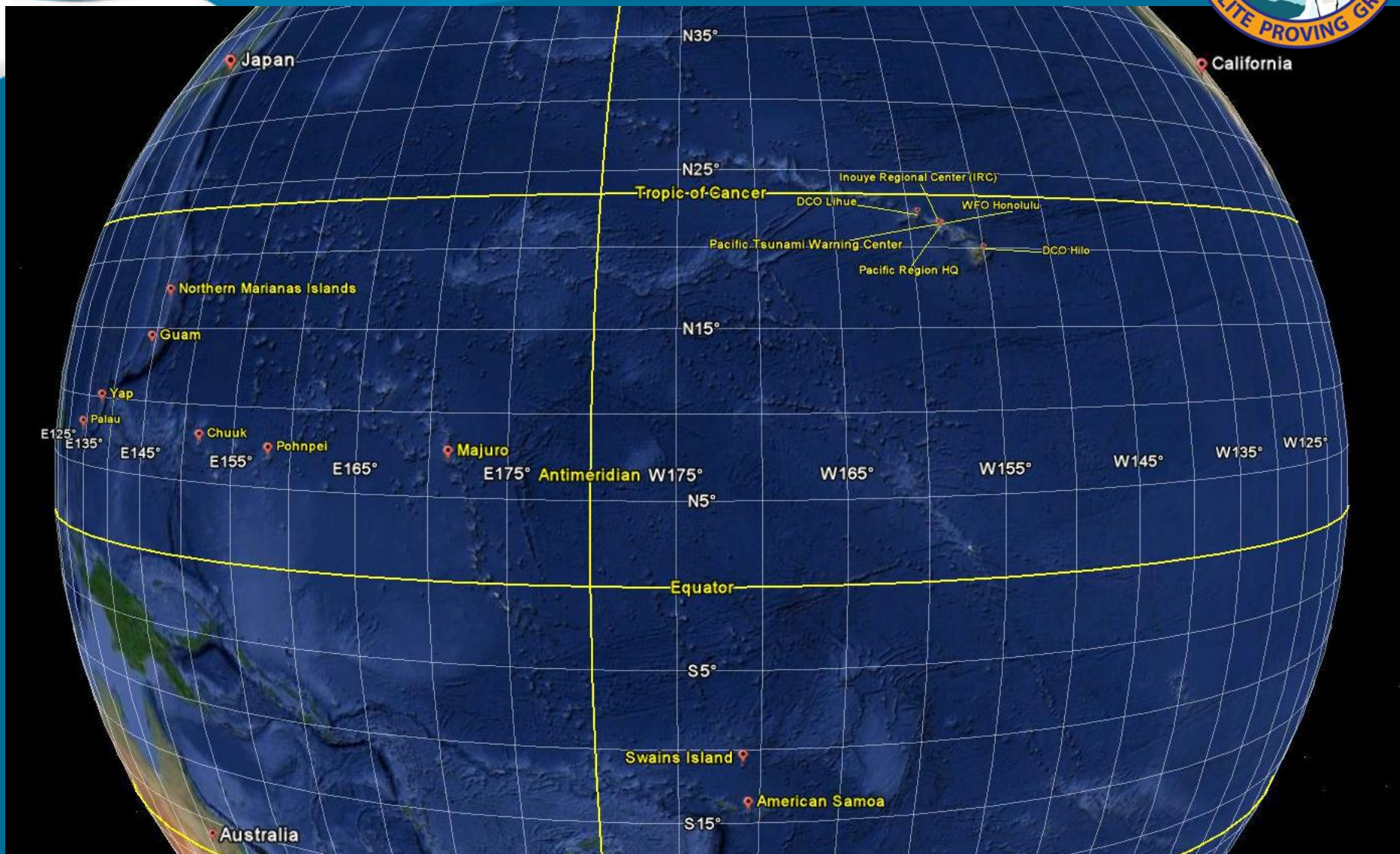
Mr. Ward has worked within the tropical pacific area for 25 years initially as a contractor at the Kwajalein Missile Range (1989-1996) and has been working within the National Weather Service since 1996. Bill began his career in the NWS at Tiyan, Guam as a lead forecaster (1996 – 2004). He then moved to the National Weather Service, Pacific Region Headquarters in 2004 as the first Regional Scientific Services Meteorologist until 2007 when he was selected to be the Environmental Scientific and Services Division Chief.

Daniel K. Inouye Regional Center (IRC)

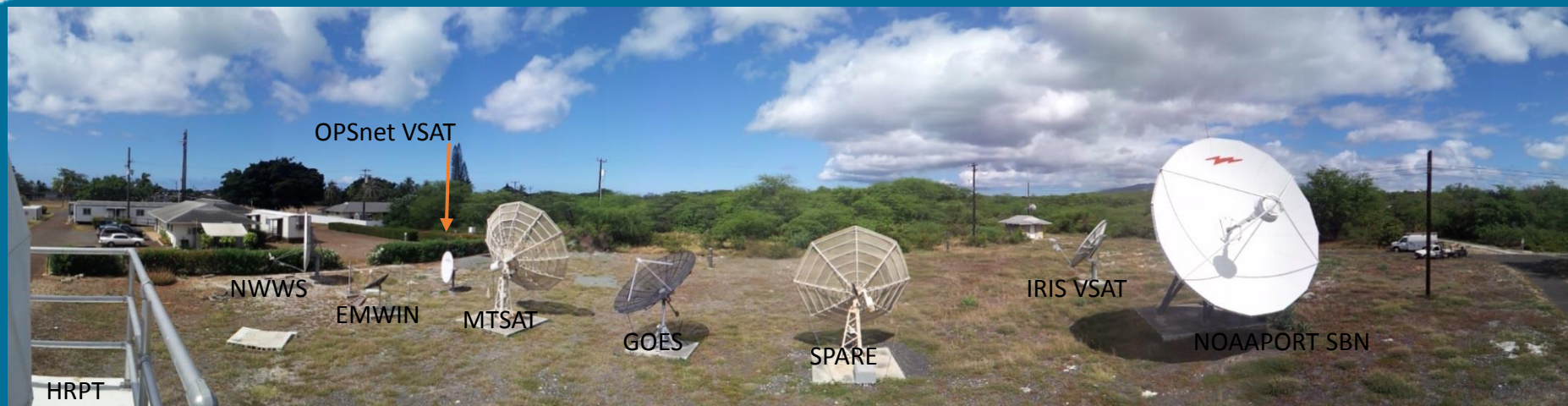


- NWS Integrated Dissemination Program – Ground Readiness Project
- Working with NWS IDP-GRP on the future of satellite reception and capabilities.
- HimawariCast and GOES-R GRB will be installed on the roof of IRC and at NWS Weather Forecast Office (WFO) Guam.
- L/X Band Polar Orbiting receive station will also be installed a top IRC and eventually at WFO Guam.

Pacific Region NWS



Satellite Farm at Pacific Tsunami Warning Center (PTWC)



Satellite Dish

NOAA Weather Wire Service

OPSnet VSAT

EMWIN

MTSAT/SPARE

GOES

IRIS VSAT

NOAAPORT SBN

HRPT – Polar Tracking

- Diameter

– 14 feet

– 4 feet

– 5 feet

– 15 feet

– 12 feet

– 15 feet

– 24 feet

– 5 feet in Radome

Orbital Systems

2.4 meter X/L band Polar Tracking

Suomi NPP VIIRS

Aqua

Terra

NOAA POES

METOP

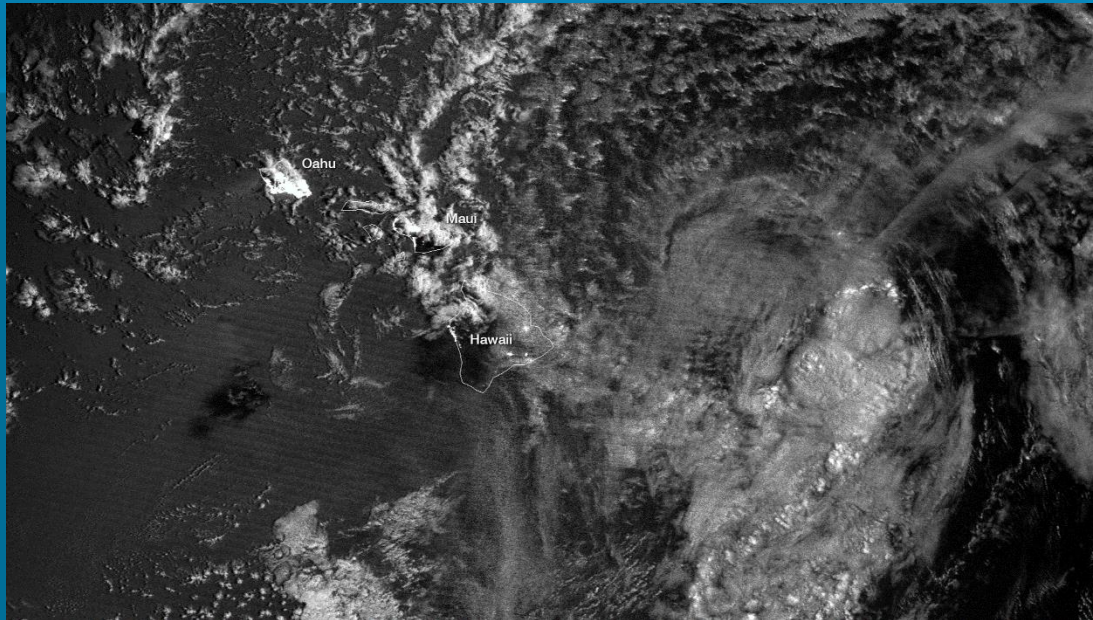
Feng Yun



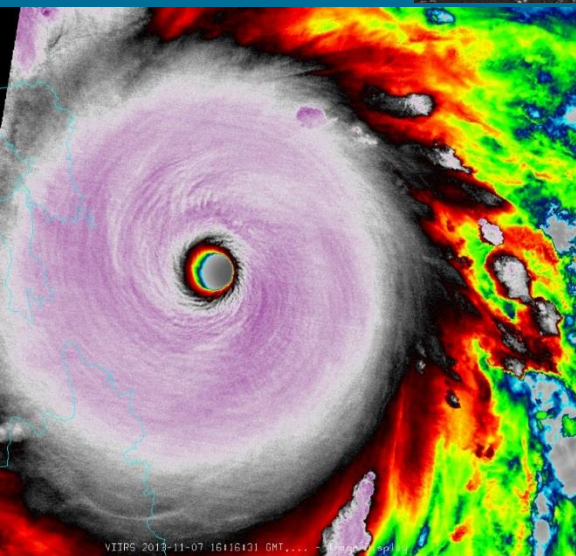
Recent Tropical Cyclones



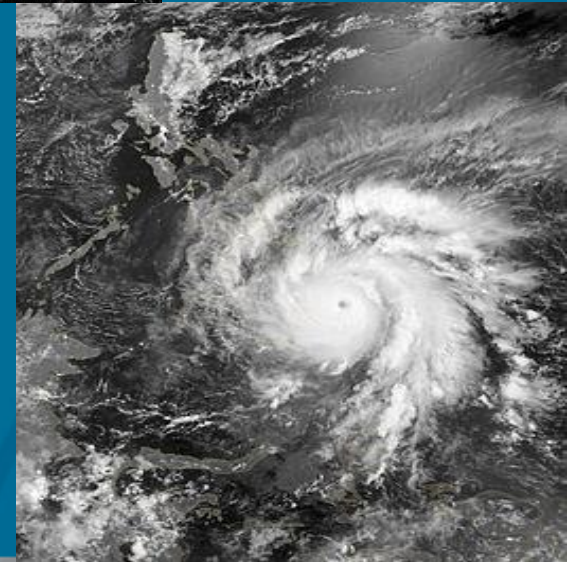
STY Haiyan
11/3-11/2013
Est 1-min wind
195 mph
VIIRS



STY Bopha
11/25-12/9, 2013
Est 1-min wind
175 mph
MTSAT VIS



Tropical Storm Flossie
July 2013, Reposition
VIIRS DNB





QUESTIONS

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(808) 725-6010